

Adventures in Aeronautics			
2006 Science			
Grade Level and Grade Span Expectations			
New Hampshire Science			
Grades 3-4			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	NH	SCI.3-4.S:PS1:4:1.2	Use measures of weight (data) to demonstrate that the whole equals the sum of its parts.
Adventures in Aeronautics	NH	SCI.3-4.S:PS1:4:2.5	Collect and organize data about physical properties in order to classify objects or draw conclusions about objects and their characteristic properties (e.g., temperature, color, size, shape, weight, texture, flexibility).
Adventures in Aeronautics	NH	SCI.3-4.S:PS3:4:2.1	Use data to predict how a change in force (greater/less) might affect the position, direction of motion, or speed of an object (e.g., ramps and balls).
Adventures in Aeronautics	NH	SCI.3-4.S:SPS3:4:3.2	Describe how people have designed and used tools throughout history; and provide examples of how many of these tools, while improved, are still in use today.
Adventures in Aeronautics	NH	SCI.3-4.S:SPS3:4:3.3	Provide examples illustrating that throughout history, people of all ages and from all walks of life have made significant contributions to the fields of science and technology.
Adventures in Aeronautics			
2006 Science			
Grade Level and Grade Span Expectations			
New Hampshire Science			
Grades 5-6			
Activity/Lesson	State	Standards	
Adventures in Aeronautics	NH	SCI.5-6.S:ESS2:6:4.1	Explain the historical perspective of planetary exploration and man's achievements in space, beginning with Russia's Sputnik mission in 1957.
Adventures in Aeronautics	NH	SCI.5-6.S:ESS2:6:4.2	Describe man's perception of the constellations throughout history, and explain how he has used them to his advantage, including navigational purposes and to explain historical events.
Adventures in Aeronautics	NH	SCI.5-6.S:PS1:6:2.3	Differentiate between weight and mass.
Adventures in Aeronautics	NH	SCI.5-6.S:PS3:6:1.2	Explain that when a force is applied to an object, it reacts in one of three ways: the object either speeds up, slows down, or goes in a different direction.
Adventures in Aeronautics	NH	SCI.5-6.S:PS3:6:1.3	Describe the relationship between the strength of a force on an object and the resulting effect, such as the greater the force, the greater the change in motion.

Adventures in Aeronautics	NH	SCI.5-6.S:PS3:6:2.1	Explain the how balanced and unbalanced forces are related to an object's motion.
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